

Title (en)
Lead system

Title (de)
Stimulationselektrodenanordnung

Title (fr)
Système d'électrodes de stimulation

Publication
EP 1364678 B1 20081203 (DE)

Application
EP 03090211 A 19971217

Priority
• DE 19654491 A 19961217
• EP 97954335 A 19971217

Abstract (en)
[origin: DE19654491A1] The invention relates to a pacing lead system for stimulating the heart by means of an implantable cardiac pacemaker, comprising a first pacing lead situated in the superior vena cava and a second pacing lead which is arranged in the atrium or a vessel situated near the heart other than the superior vena cava or at a distance from the heart in such a way that the first and second pacing lead substantially enclose a predefined central area of the cardiac impulse generation and conduction system, in particular the sinus node.

IPC 8 full level
A61N 1/05 (2006.01)

CPC (source: EP US)
A61N 1/056 (2013.01 - EP US)

Designated contracting state (EPC)
CH DE FR LI NL

DOCDB simple family (publication)
DE 19654491 A1 19980618; DE 59712732 D1 20061026; DE 59712984 D1 20090115; EP 0897311 A1 19990224; EP 0897311 B1 20060913; EP 1364678 A1 20031126; EP 1364678 B1 20081203; US 6219581 B1 20010417; WO 9826836 A1 19980625

DOCDB simple family (application)
DE 19654491 A 19961217; DE 59712732 T 19971217; DE 59712984 T 19971217; DE 9703024 W 19971217; EP 03090211 A 19971217; EP 97954335 A 19971217; US 12536698 A 19980817